Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/19/2020 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124063	-1	2.31	124135	2.31
Blue	F	SSC	125000	124280	-1	1.76	125002	1.74
Blue	E	FITC	15892	15381	-4	2.79	334	20.63
Blue	D	PE	29999	29233	-3	2.01	638	14.86
Blue	B	PerCP-Cy5-5	43732	43234	-2	3.66	1166	20.70
Blue	A	PE-Cy7	30845	30713	-1	6.09	584	42.04
Red	C	APC	46112	45420	-2	2.43	1604	11.90
Red	A	APC-Cy7	30458	29928	-2	2.32	792	11.83
Violet	B	V450	7918	7686	-3	4.60	435	13.35
Violet	A	V500	32171	31405	-3	4.43	735	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17234	12.09	628	7	N/A	N/A	Pass
Blue	F	SSC	57076	1.16	568	9	N/A	N/A	Pass
Blue	E	FITC	61	67.07	546	3	0.0193	170	Pass
Blue	D	PE	133	51.57	552	4	0.1716	325	Pass
Blue	B	PerCP-Cy5-5	213	51.44	659	3	0.0087	74	Pass
Blue	A	PE-Cy7	107	106.19	702	4	0.0104	20	Pass
Red	C	APC	384	24.86	583	-1	0.0256	165	Pass
Red	A	APC-Cy7	175	28.24	555	-1	0.0057	893	Pass
Violet	B	V450	66	60.23	460	2	0.0487	1975	Pass
Violet	A	V500	108	33.89	476	2	0.0248	883	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.50	-31.90	1.03
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	16.98	13.60 - 20.40	N/A	N/A	29.23	29.81	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10257

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments